TOSHIBA Schottky Barrier Rectifier Stack Schottky Barrier Type

U5GWJ2C42C

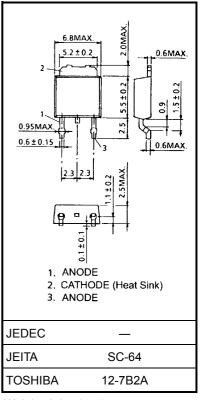
Swiching Mode Power Supply Application

Unit: mm

- Peak forward voltage: $V_{FM} = 0.55 \text{ V (max)}$
- Repetitive peak reverse voltage: $V_{RRM} = 40 \text{ V}$
- Average output rectified current: IO = 5 A

Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}	40	V
Average output rectified current	I _O	5.0	Α
Peak one cycle surge forward current	I _{FSM}	50 (50 Hz)	A
Junction temperature	Tj	−40~150	°C
Storage temperature range	T _{stg}	−40~150	°C



Weight: 0.3 g (typ.)

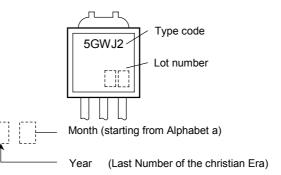
Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Peak forward voltage	V_{FM}	I _{FM} = 2.5 A	_	_	0.55	V
Repetitive peak reverse current	I _{RRM}	V _{RRM} = Rated (40 V)		_	3.5	mA
Junction capacitance	Cj	$V_R = 10 \text{ V}, f = 1.0 \text{ MHz}$		100	_	pF
Thermal resistance	R _{th (j-c)}	DC total	_	_	3.5	°C/W

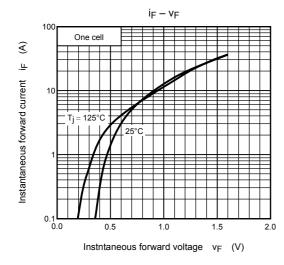
Note: V_{FM}, I_{RRM}, Cj: Avalue of one cell.

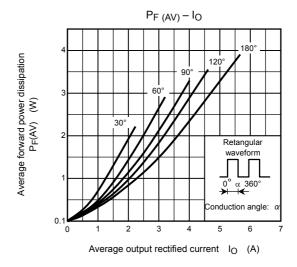
POLARITY

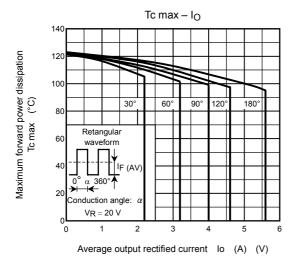
MARKING

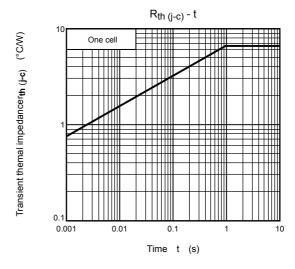


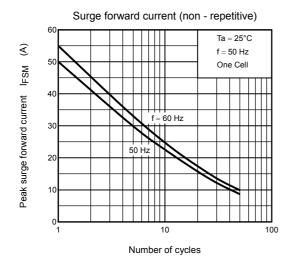
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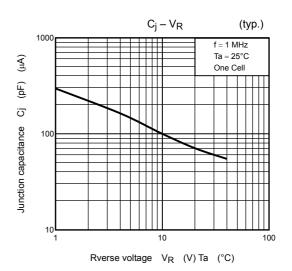




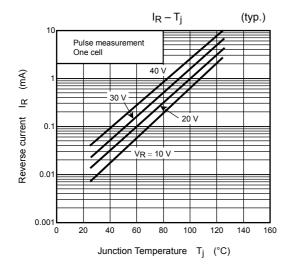


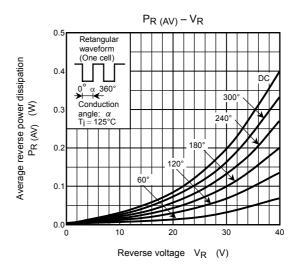






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